

Use Attainability Analysis

for

WBID 1747 Indian Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

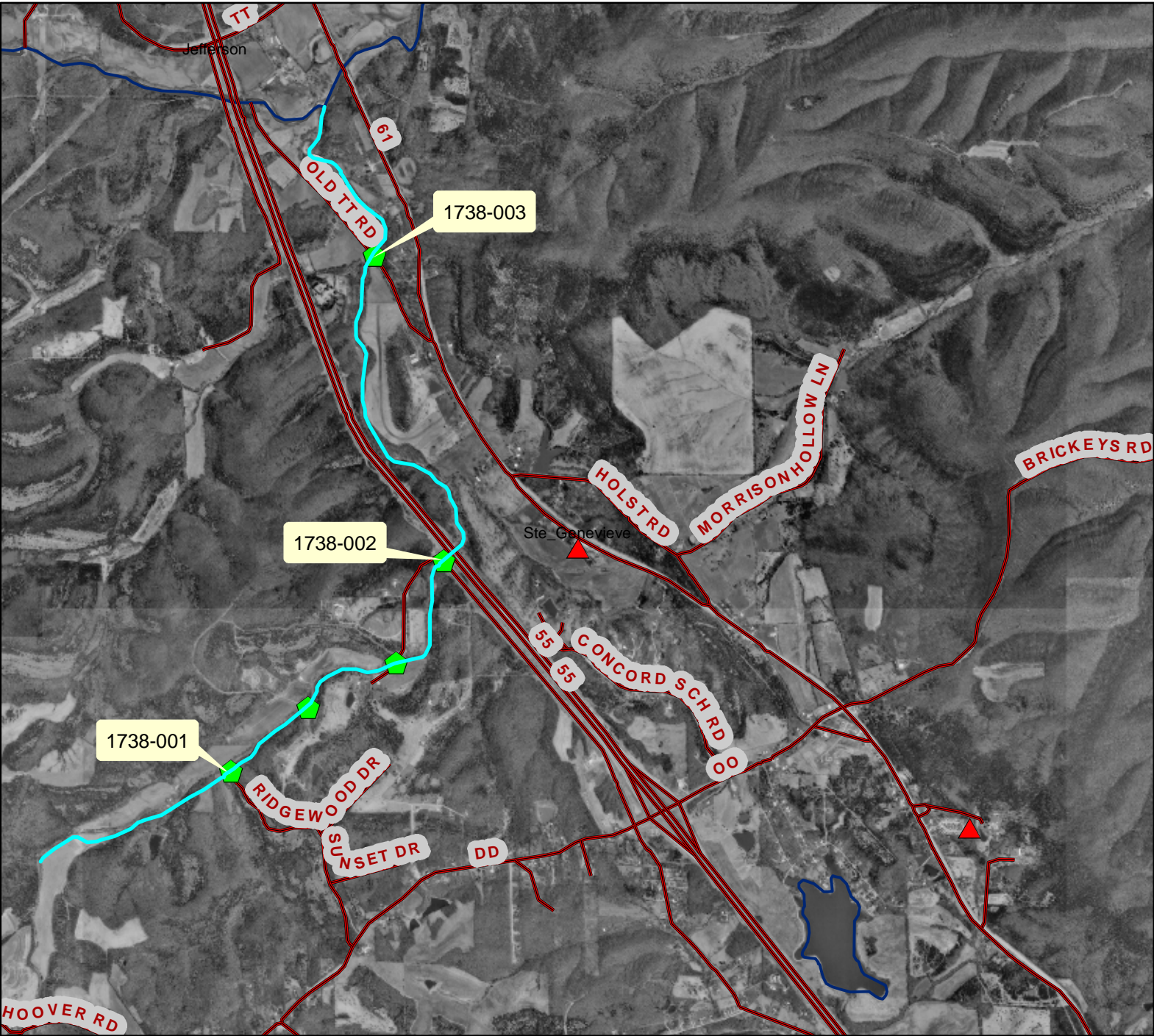
Data Sheet A - Water Body Identification

| | | |
|--|-------------------------|---------------------|
| Water Body Name: (from USGS 7.5' quad) | Indian Creek | |
| 8-digit HUC: | 7140101 | |
| Missouri WBID #: | 1747 | |
| County: | Ste. Genevieve | |
| Upstream Legal Description: | | |
| Downstream Legal Description: | | |
| Upstream Coordinates: (UGS 84, ddd.ddddd) | 001 | 90.15078 / 37.94728 |
| Downstream Coordinates: (UGS 84, ddd.ddddd) | 002 | 90.16976 / 37.95507 |
| Discharger Facility Name(s): | | |
| Discharger Permit Number(s): | | |
| Number of Sites Evaluated: | 2 | |
| Name of Surveyor and Telephone Number: | Mary Clark 573-526-1002 | |
| Organization: | MNR | |
| Position: | ES III | |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is ~~true and accurate~~. *estimated based on my observation.*

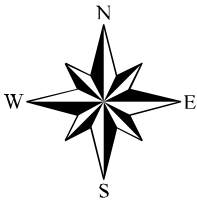
Signed: Mary Clark Date: 7-1-05

South Fork Isle du Bois Creek (C) #1738 Ste. Genevieve County



Legend

- Roads
- Point Sources
- Classified Waterbodies
- Counties



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

| | |
|---|--|
| Missouri WBID #: <u>1747-001</u> | Site Location Description: |
| Site GPS Coordinates: <u>90.15678/-37.94728</u> | <u>Zell Rd crossing Indian Creek</u> |
| Date & Time: <u>7-1-05 12:30</u> | Facility Name: |
| Personnel: <u>Mary Clark</u> | Permit Number: |
| Current Weather Conditions: <u>ptly cldg</u> | Weather Conditions for Past 7 days: <u>?</u> |
| Photo Ids: Upstream: <u>421</u> Downstream: <u>422</u> Other: | |

Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input checked="" type="checkbox"/> Other: <u>wild life</u> |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

dozens of crayfish
X-dump-bag of trash,
beer cans etc. in creek

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input checked="" type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>suburban houses</u> <u>limited riparian corridor</u> <u>rural corn + bean fields</u> | |

Evidence of Human Use*: near creek

| | | | | |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: <u>trash dumped in creek</u> | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that affect another use.

Stream Morphology:

Upstream View Physical Dimensions:

| | | | | |
|---|---|-------------------------|-----------------------------------|------------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Run | Width (ft): <u>7</u> | Length (ft): <u>100</u> | Avg. Depth (ft): <u>0.5</u> | Max. Depth (ft): <u>0.75</u> |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Estimated (ft ³ /sec): | |

Downstream View Physical Dimensions:

| | | | | |
|---|---|------------------------|-----------------------------------|----------------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Run | Width (ft): <u>8</u> | Length (ft): <u>60</u> | Avg. Depth (ft): <u>0.5</u> | Max. Depth (ft): <u>>0.75</u> |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Estimated (ft ³ /sec): | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--|--------------------|------------------|--------|------------|-----------|
| <u>Boulders and</u> <u>70</u> % Cobble | <u>20</u> % Gravel | <u>10</u> % Sand | % Silt | % Mud/Clay | % Bedrock |
|--|--------------------|------------------|--------|------------|-----------|

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

small Lemna, algae, some, near culvert.

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---------------------------------|--|--|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input type="checkbox"/> Clear | <input checked="" type="checkbox"/> Green <u>BROWN</u> | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input checked="" type="checkbox"/> Other: <u>turbid</u> |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>hard to tell what is there</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>lemna, algae</u> |

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. estimated based on my observations.

Signed: Mary Clark Date: 7-1-05

Organization: MONK Position: ES III

1747_001_US



1747_001_DS



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| | | |
|--|--|--------|
| Missouri WBID #: <u>1747-002</u> | Site Location Description: | |
| Site GPS Coordinates: <u>90.16976/37.95597</u> | <u>Indian Cr. Rd. Ford over Indian Creek</u> | |
| Date & Time: <u>7-1-05 11:40</u> | Facility Name: | |
| Personnel: <u>Mary Clark</u> | Permit Number: | |
| Current Weather Conditions: <u>partly cldy</u> | Weather Conditions for Past 7 days: | |
| Photo Ids: Upstream: <u>419</u> | Downstream: <u>420</u> | Other: |

Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>rural</u> | |

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>swingin foot bridge over creek.</u> | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology:

Upstream View Physical Dimensions:

| | | | | |
|---|---|------------------------|-----------------------------------|------------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Run | Width (ft): <u>15</u> | Length (ft): <u>30</u> | Avg. Depth (ft): <u>0.75</u> | Max. Depth (ft): <u>0.85</u> |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Estimated (ft ³ /sec): | |

Downstream View Physical Dimensions:

| | | | | |
|--|---|------------------------|-----------------------------------|---------------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Pool | Width (ft): <u>18</u> | Length (ft): <u>25</u> | Avg. Depth (ft): <u>1.0</u> | Max. Depth (ft): <u>>1.0</u> |
| <input type="checkbox"/> Flow Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Estimated (ft ³ /sec): | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------------|--------------------|------------------|--------|------------|---------------------|
| <u>5</u> % Cobble | <u>10</u> % Gravel | <u>10</u> % Sand | % Silt | % Mud/Clay | <u>75</u> % Bedrock |
|-------------------|--------------------|------------------|--------|------------|---------------------|

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Small amount of Lemna; algae cover 5% of area near the ford
There is significant algae in the shallows both upstream & downstream.

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <u>in shallows</u> <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <u>grown in deeper areas</u> <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input checked="" type="checkbox"/> Other: <u>turbid</u> |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>algae, Lemna</u> |

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. estimated based on my observations.

Signed: May Clark Date: 7-1-05

Organization: none Position: ES III

1747_002_US



1747_002_DS

